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BACKPLANE POWER DISTRIBUTION SYSTEM
ABSTRACT OF THE DISCLOSURE

A powerplane for use in a backplane power distribution system. The backplane includes a conductive sheet for distributing power from a power source to a load. The powerplane further includes source locations and load locations for coupling the conductive sheet to a power source and a load. The conductive sheet has resistances with appropriate spacing and dimensions so that the resistance near the source locations is greater than the resistance farther away from the source locations. Thus, current is shared more evenly between all the load locations, and the voltage difference between distant load locations and near load locations is reduced to near zero.

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